

DIPHTHERIA TETANUS & PERTUSSIS VACCINES

WHAT YOU NEED TO KNOW

1 Why get vaccinated?

Diphtheria, tetanus, and pertussis are serious diseases caused by bacteria. Diphtheria and pertussis are spread from person to person. Tetanus enters the body through cuts or wounds.

DIPHTHERIA causes a thick covering in the back of the throat.

- It can lead to breathing problems, paralysis, heart failure, and even death.

TETANUS (Lockjaw) causes painful tightening of the muscles, usually all over the body.

- It can lead to “locking” of the jaw so the victim cannot open his mouth or swallow. Tetanus leads to death in up to 2 out of 10 cases.

PERTUSSIS (Whooping Cough) causes coughing spells so bad that it is hard for infants to eat, drink, or breathe. These spells can last for weeks.

- It can lead to pneumonia, seizures (jerking and staring spells), brain damage, and death.

Diphtheria, tetanus, and pertussis vaccine (DTaP) can help prevent these diseases. Most children who are vaccinated with DTaP will be protected throughout childhood. Many more children would get these diseases if we stopped vaccinating.

DTaP is a safer version of an older vaccine called DTP. DTP is no longer used in the United States.

2 Who should get DTaP vaccine and when?

Children should get 5 doses of DTaP vaccine, one dose at each of the following ages:

- ✓ 2 months
- ✓ 4 months
- ✓ 6 months
- ✓ 15-18 months
- ✓ 4-6 years

DTaP may be given at the same time as other vaccines.

3

Some children should not get DTaP vaccine or should wait

- Children with minor illnesses, such as a cold, may be vaccinated. But children who are moderately or severely ill should usually wait until they recover before getting DTaP vaccine.
- Any child who had a life-threatening allergic reaction after a dose of DTaP should not get another dose.
- Any child who suffered a brain or nervous system disease within 7 days after a dose of DTaP should not get another dose.
- Talk with your doctor if your child:
 - had a seizure or collapsed after a dose of DTaP,
 - cried non-stop for 3 hours or more after a dose of DTaP,
 - had a fever over 105°F after a dose of DTaP.

Ask your health care provider for more information. Some of these children should not get another dose of pertussis vaccine, but may get a vaccine without pertussis, called **DT**.

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Older children and adults

DTaP is not licensed for adolescents, adults, or children 7 years of age and older.

But older people still need protection. A vaccine called **Tdap** is similar to DTaP. A single dose of Tdap is recommended for people 11 through 64 years of age. Another vaccine, called **Td**, protects against tetanus and diphtheria, but not pertussis. It is recommended every 10 years. There are separate Vaccine Information Statements for these vaccines.

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What are the risks from DTaP vaccine?

Getting diphtheria, tetanus, or pertussis disease is much riskier than getting DTaP vaccine.

However, a vaccine, like any medicine, is capable of causing serious problems, such as severe allergic reactions. The risk of DTaP vaccine causing serious harm, or death, is extremely small.

Mild Problems (Common)

- Fever (up to about 1 child in 4)
- Redness or swelling where the shot was given (up to about 1 child in 4)
- Soreness or tenderness where the shot was given (up to about 1 child in 4)

These problems occur more often after the 4th and 5th doses of the DTaP series than after earlier doses.

Sometimes the 4th or 5th dose of DTaP vaccine is followed by swelling of the entire arm or leg in which the shot was given, lasting 1-7 days (up to about 1 child in 30).

Other mild problems include:

- Fussiness (up to about 1 child in 3)
- Tiredness or poor appetite (up to about 1 child in 10)
- Vomiting (up to about 1 child in 50)

These problems generally occur 1-3 days after the shot.

Moderate Problems (Uncommon)

- Seizure (jerking or staring) (about 1 child out of 14,000)
- Non-stop crying, for 3 hours or more (up to about 1 child out of 1,000)
- High fever, over 105°F (about 1 child out of 16,000)

Severe Problems (Very Rare)

- Serious allergic reaction (less than 1 out of a million doses)
- Several other severe problems have been reported after DTaP vaccine. These include:
 - Long-term seizures, coma, or lowered consciousness
 - Permanent brain damage.

These are so rare it is hard to tell if they are caused by the vaccine.

Controlling fever is especially important for children who have had seizures, for any reason. It is also important if another family member has had seizures. You can reduce fever and pain by giving your child an *aspirin-free* pain reliever when the shot is given, and for the next 24 hours, following the package instructions.

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What if there is a moderate or severe reaction?

What should I look for?

Any unusual conditions, such as a serious allergic reaction, high fever or unusual behavior. Serious allergic reactions are extremely rare with any vaccine. If one were to occur, it would most likely be within a few minutes to a few hours after the shot. Signs can include difficulty breathing, hoarseness or wheezing, hives, paleness, weakness, a fast heart beat or dizziness. If a high fever or seizure were to occur, it would usually be within a week after the shot.

What should I do?

- **Call** a doctor, or get the person to a doctor right away.
- **Tell** your doctor what happened, the date and time it happened, and when the vaccination was given.
- **Ask** your doctor, nurse, or health department to report the reaction by filing a Vaccine Adverse Event Reporting System (VAERS) form.

Or you can file this report through the VAERS web site at www.vaers.hhs.gov, or by calling **1-800-822-7967**.

VAERS does not provide medical advice

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The National Vaccine Injury Compensation Program

In the rare event that you or your child has a serious reaction to a vaccine, a federal program has been created to help pay for the care of those who have been harmed.

For details about the National Vaccine Injury Compensation Program, call **1-800-338-2382** or visit the program's website at www.hrsa.gov/vaccinecompensation.

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How can I learn more?

- Ask your health care provider. They can give you the vaccine package insert or suggest other sources of information.
- Call your local or state health department's immunization program.
- Contact the Centers for Disease Control and Prevention (CDC):
 - Call **1-800-232-4636 (1-800-CDC-INFO)**
 - Visit the National Immunization Program's website at www.cdc.gov/nip



U.S. DEPARTMENT OF HEALTH & HUMAN SERVICES
Centers for Disease Control and Prevention

ASIIS Web Application Training Update

ASIIS Registry and Web Application Training Classes are scheduled on the dates indicated below. Phoenix classes are located at the Arizona Department of Health Services Building, 1740 W. Adams St. (Room 107). ASIIS conducts regional training classes across the state.

ASIIS offers both an introductory class and an advanced class. The content includes:

Introductory Training	Advanced Training
Origin and purpose of the Registry	Reminder/Recall
Locating and logging in to the Web Application	Forecast settings
Searching for, retrieving, and adding patients	Managing your vaccine inventory
Adding historical and administered immunizations	Adding/updating physicians and vaccinators
Viewing vaccination forecasts	Adding/updating facilities
Searching for, retrieving, and adding lot numbers	Personal settings
Printing patient records	High-risk patient module
Printing the VFC patient log	Vaccination deferrals module
Birth order	CASA export

2007 Phoenix Training Schedule

Introductory Training in Phoenix (2007) Following Class Times are 9 am – 12 noon	Advanced Training in Phoenix (2007) Following Class Times are 9 am – 12 noon
July 10;17 August 7; 14 September 4; 11 October 2; 9 November 6; 13 December 11	August 28 September 25 October 23 November 27

2007 Regional Training Schedule (Exact Dates and Locations TBD)

August: Kingman and Flagstaff September: Littleton, Fredonia, Page, Yuma and Bisbee October: Lake Havasu City and Tucson
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Call 1-877-491-5741 Today to Enroll!

*Babies are born every day in Arizona.
None arrive immunized*

Congratulations to the 2007

Daniel T. Cloud Outstanding Practice
Award Winners

- 
- El Rio Neighborhood Health Center SW - Tucson
 - CIGNA – Scottsdale
 - CIGNA – Stapley - Mesa
 - John C. Lincoln Children's Community Health Center - Phoenix
 - Sunset Health Center – San Luis
 - Clara Vista Medical Associates - Tucson
 - La Paz County Health Dept. - Parker
 - Mountain Park Health Center – East Phoenix
 - Fort Defiance Health Services Clinic
 - Desert Canyon Pediatrics - Phoenix
 - Gateway Pediatrics - Chandler
 - CIGNA – Deer Valley - Phoenix
 - CIGNA – Chandler
 - Pueblo Pediatrics - Mesa
 - East Valley Children's Center - Tempe
 - Flagstaff Pediatric Care
 - Grayhawk Pediatrics - Scottsdale
 - Mountain Park Health Center - Maryvale
 - Mountain Park Health Center - Tolleson
 - Mountain Park Health Center – Phoenix
 - Pediatrix – Black Canyon - Phoenix
 - Sunrise Medical Group - Tucson
 - Catalina Pediatrics - Tucson
 - St. Joseph's Family Practice Clinic - Phoenix
 - Brisas Pediatrics – Chandler
 - Saguaro East Medical Group - Tucson
 - Gary Muncy, MD Family Practice – Safford
 - Cottonwood Pediatrics – Tucson
 - Melissa Miller, MD – Tucson
 - David Allen, MD – Tucson
 - Mesquite Pediatrics – Tucson
 - Sant Singh Khalsa, MD – Tucson
 - Lake Powell Medical Center - Page
 - Albert Callie, MD – Tucson
 - Children's Medical Center of Tucson
 - ACP Desert Pediatrics - Tucson

*The Dr. Daniel T. Cloud
Outstanding Practice Award*

Register Now!

2nd Annual Arizona Adolescent and Adult Vaccine Symposium

Thursday, September 27th, 2007

Black Canyon Conference Center
9440 N. 25th Avenue, Phoenix, AZ 85021
(north of Dunlap on 25th Avenue)

Door Prizes!



Exhibits!

Vaccinate for Life!

For details, go to our website: www.azdhs.gov



2nd Annual Arizona Adolescent and Adult Vaccine Symposium

Vaccinate for Life

Thursday, September 27th, 2007
8:00 am – 5:00 pm
(7:00-8:00 am - Registration and Continental Breakfast)

Registration Form

Please **PRINT** all information

Name _____ Title _____

Organization _____

Address _____

City _____ State _____ Zip Code _____

Phone _____ Fax _____

E-mail Address _____

I am a/an (check all that apply)

____ Physician (specialty) _____

____ RN

____ Medical Assistant

____ Nurse Practitioner

____ LPN

____ Physician's Assistant

____ Clinic Nurse

____ School Staff

____ Epidemiologist

____ School Nurse

____ Lab Technician

____ Immunization Manager

____ Health Educator

____ Exec Director

____ Emergency Med Tech

____ Pharmacy Tech

____ Student

____ Other (specify) _____

Conference Fee: \$95.00 per person through 9/14/07 - \$110.00 per person after 9/14/07

The Arizona Partnership for Immunization (TAPI) tax ID # is 86-0494702

Conference fee includes registration, lunch and educational materials

No refunds will be given after September 14th

Registrants will receive confirmation (including directions) upon receipt of Registration and Fee

Please Note: CME and CEU credits are NOT available for this event

Payment: P.O. # _____ Check # _____

Please make check payable to: TAPI (The Arizona Partnership for Immunization)

Mail Registration and Payment to:
Arizona Immunization Program Office
150 N. 18th Avenue, Suite 120
Phoenix, AZ 85007-3233



Questions? Phone: 602-364-3630 Email: kiralys@azdhs.gov



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JANET NAPOLITANO, GOVERNOR
SUSAN GERARD, DIRECTOR

2007-2008 School/Child Care Immunization Rules Summary (Updated 6/6/07)

The Arizona Department of Health Services has drafted new School and Child Care Immunization Rules. It is expected that the proposed Rules will be passed in September 2007. A draft of the Rules is posted at www.azdhs.gov/diro/admin_rules/vaccine_rules.htm. After the Rules have passed, an announcement will be made at www.azdhs.gov/phs/immun/index_schchld.htm.

1. What will the new rules include?

- Require Hepatitis A vaccine for children one through five years of age in Maricopa County licensed child care settings, effective in 2007, upon adoption of the new rule. (Hepatitis A vaccination is not required for school attendance in grades K-12.)
- Require Tdap vaccine for students 11 years of age and older when 5 years have passed since the last tetanus/diphtheria vaccine dose, effective 2008-2009 school year.
- Require Meningococcal vaccine (MV) for students who are 11 years and older, effective 2008-2009 school year.

2. Will students 11 years and older be required to have Tdap or MV to enter school in Fall 2007?

- **No.** Tdap and MV are recommended for students 11 years of age and older. They will be required for school attendance September 1, 2008.

3. When will students be required to have Tdap and Meningococcal vaccine (MV)?

Students 11 years of age and older will be required to have one dose of Tdap vaccine if 5 years have passed since their last dose of tetanus/diphtheria containing vaccine. Students 11 years of age and older will also be required to have one dose of Meningococcal vaccine (MV). The implementation schedule is as follows:

- September 1, 2008 for a child entering 6th grade
- September 1, 2009 for a child entering 6th and 7th grades
- September 1, 2010 for a child entering 6th through 8th grades
- September 1, 2011 for a child entering 6th through 9th grades
- September 1, 2012 for a child entering 6th through 10th grades
- September 1, 2013 for a child entering 6th through 11th grades
- September 1, 2014 for a child entering 6th through 12th grades

4. What should schools tell parents about the immunization rule change?

- Tell parents that a rule change requiring Tdap and Meningococcal vaccine (MV) for children 11 years and older is expected in the 2008-2009 school year.
- Let parents know that Tdap is recommended for the first tetanus/diphtheria booster that a child receives.

5. What should child care centers tell parents about the Hepatitis A rule change?

- Child care centers and preschools may wait until the Hepatitis A rule change has been passed before informing parents.
- Under the amended rule, one year olds in Maricopa County child care centers will be required to be vaccinated against Hepatitis A.